

# Sweet As

You need ☒ multilink cubes or counters

## Activity

At the Goopy Gum sweet factory, workers have different lists to follow.

### Winegum Mix

$\frac{1}{2}$  blue  $\frac{3}{8}$  white  
 $\frac{1}{8}$  green

KANE

### Jet Plane Mix

$\frac{1}{3}$  red  $\frac{1}{2}$  yellow  
 $\frac{1}{6}$  black

HINE

### Allsorts Mix

$\frac{1}{3}$  blue  $\frac{1}{4}$  red  
 $\frac{1}{2}$  white

JEROME

1.
  - a. What is the smallest number of lollies that Kane can put in one of his bags?
  - b. What is the smallest number of lollies that Hine can put in one of her bags?
  - c. What is wrong with the Allsorts Mix?
2. Candy makes up bags of jelly beans using this list.
  - a. What fraction of the jelly beans will be green?
  - b. What is the smallest number of jelly beans that she can put in a bag?
3. On pay day, the boss of the factory lets Jennifer follow the instructions on one of these jars, as a bonus.

### Jelly Bean Mix

$\frac{1}{2}$  red  $\frac{2}{5}$  yellow

The rest green

a.



b.



c.



d.



Which jar should Jennifer choose to get the most lollies?  
Explain your answer.